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Docket No. 3701-4000

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Broeng et al.

Group Art Unit: 2877

Serial No.: 09/282,303

Examiner: P. Natividad

Filed: March 31, 1999

For: A PHOTONIC BAND GAP FIBER

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, DC 20231

Sir:

Please amend the above-identified application prior to examination on the merits as follows:

**IN THE CLAIMS**

Please amend claims 83, 99 and 119 as follows:

83. (Amended) An optical fibre according to claim [44] 54, wherein the core region comprises a first additional elongated element extending in the longitudinal direction of the fibre.

99. (Amended) An optical fibre according to claim [44] 54, the fibre comprising a plurality of core regions.

119. (Amended) A sensor for sensing or detecting at least one characteristic of a liquid or gas, the sensor comprising:

- a length of the optical fibre according to claim [44] 54, wherein the core region comprises at least a first additional element, the first element being a void extending along the longitudinal direction of the fibre,

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